



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/736,665

12/17/2003

Dong Jae You

8734.275.00 US

5343

30827

7590

10/20/2006

MCKENNA LONG & ALDRIDGE LLP  
1900 K STREET, NW  
WASHINGTON, DC 20006

EXAMINER

VU, PHU

ART UNIT

PAPER NUMBER

2871

DATE MAILED: 10/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	10/736,665	YOU, DONG JAE ET AL.	
	Examiner	Art Unit	
	Phu Vu	2871	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☐ Responsive to communication(s) filed on 06 June 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-6 and 8-21 is/are pending in the application.
- 4a) Of the above claim(s) 14-21 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 and 8-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Response to Arguments***

Applicant's arguments with respect to claims 1-6 and 8-13 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

**Claims 1, 3, 5-6 and 11-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Oh 6661399.**

**Regarding claim 1**, Oh teaches a liquid crystal display device, comprising: a liquid crystal display device module (fig. 5A element 10); and a printed circuit board (14) located in close proximity to a support main of the liquid crystal display device module and a fixing device (left frame portion contacting 58 and 24 and also includes element 27) for inserting a digitizer (58), wherein the fixing device has a floor part (27) adhering to the support main (10) and a covering part (part of frame contacting 58) and wherein the digitizer is inserted between the floor part and the covering part.

**Regarding claim 3**, the reference teaches the fixing device is formed in a thin pocket shape (see fig. 5A).

**Regarding claim 5**, the reference teaches the fixing device (left frame portion contacting 58 and 24 and also includes element 27) is provided between the support

main (10) at a rear portion of the liquid crystal device module and the printed circuit board (14).

**Regarding claim 6**, the reference teaches the two fixing device element forming a U- shape end portion in contact with the PCB (see element 14).

**Regarding claim 11**, the reference shows the covering part of the fixing device prevents the digitizer from contacting the PCB indirectly by fixing the digitizer in place (see fig. 5A).

**Regarding claim 12**, considering the floor part as only the part contacting the support main than the reference shows a rounded surface along the surface of the printed circuit board (see fig. 5A part of 27 contacting 14).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Oh in view of Fukuchi et. al US Patent 5336535.**

**Regarding claim 2**, Oh teaches all the limitations of claim 2 except a fixing device formed of a polyethylene terephthalate film. Fukuchi teaches forming an LCD substrate of polyethylene terephthalate in order to reduce size, thickness and improve

impact resistance (see column 1 lines 64-70). Therefore, at the time of the invention it would have been obvious to one of ordinary skill in the art to use a fixing device to use polyethylene terephthalate in order to improve impact resistance and reduce size and thickness.

**Claims 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Oh and Bogomolny US Patent No. 5984294.**

**Regarding claims 8 and 9**, Oh teaches all the limitations of claims 8 and 9 except a covering part coated with a different color from the floor part, and the color printed at an edge of the covering part. Bogomolny teaches a color coded cutting surface that uses different colors to easily distinguish between two differently designated surfaces (see column 2 lines 50-55). Therefore, at the time of the invention, it would have been obvious to one of ordinary skill in the art to use color codes to easily distinguish different parts or surfaces of a device. Bogomolny may not be of the same art, however, relying on just the teaching of colors to distinguish different surfaces does not require it.

**Claim 10 rejected under 35 U.S.C. 103(a) as being unpatentable over Oh 661399.**

**Regarding claim 10**, Oh teaches all the limitations of claim 10 except the floor part and covering part being integral. However the MPEP 2144.04 Section V-B states one piece construction instead of the structure discloses in [the prior art] would be merely a matter of obvious engineering choice." Therefore making the floor and covering parts integral is considered obvious.

**Claims 4 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Oh in view Kawaguchi et. al. US Patent No. 5670994.**

**Regarding claims 4 and 13,** Oh teaches all the limitations of claims 4 and 13, except use of a double-faced tape to adhere a floor part of fixing device at a rear pad of the support main. Kawaguchi teaches use of a double sided tape to bond two surface such that there is an integral attachment (see column 26 lines 20-25). Therefore, at the time of the invention it would have been obvious to use a double-sided tape to connect the rear part of the support main to the floor part of the fixing device to an integral or secure attachment.

### ***Conclusion***

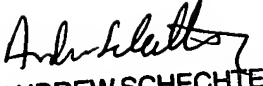
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571)-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/736,665  
Art Unit: 2871

Page 6

Phu Vu  
Examiner  
AU 2871

  
ANDREW SCHECHTER  
PRIMARY EXAMINER